

**Study Number:** C11049-01

**Test Type:** TOX

**Route:** Nose-Only Inhalation

**Species/Strain:** Rat/Harlan Sprague Dawley

**Study Number:**

**Study Gender:**

**PWG Approval Date:**

**PA05: Incidence Rates of Neoplastic Lesions with Systemic Lesions Abridged**

**Test Compound:** Trimethylsilyldiazomethane

**CAS Number:** 18107-18-1

C11049-01

Male

See web page for date of PWG Approval

**Date Report Requested:** 10/22/2020

**Time Report Requested:** 09:11:48

**Lab:** Battelle with CRL

Study Number: C11049-01

Test Type: TOX

Route: Nose-Only Inhalation

Species/Strain: Rat/Harlan Sprague Dawley

PA05: Incidence Rates of Neoplastic Lesions with Systemic Lesions Abridged

Test Compound: Trimethylsilyldiazomethane

CAS Number: 18107-18-1

Date Report Requested: 10/22/2020

Time Report Requested: 09:11:48

Lab: Battelle with CRL

Male: 1 Day Exposure

	Treatment Groups (ppm)		
	0	10	25 ppm Hexanes
<b>Disposition Summary</b>			
<b>Animals Initially In Study</b>	8	8	8
<b>Scheduled Sacrifice</b>			
<b>Early Deaths</b>			
<b>Survivors</b>			
<b>Scheduled sacrifice, terminal (SD 1)</b>	8	8	8
<b>Animals Examined Microscopically</b>	8	8	8
ALIMENTARY SYSTEM			
LIVER	(8)	(8)	(8)
PHARYNX	(8)	(8)	(8)
CARDIOVASCULAR SYSTEM			
AORTA	(8)	(8)	(8)
HEART	(8)	(8)	(8)
ENDOCRINE SYSTEM			
No Tissues/Organs Examined			
GENERAL BODY SYSTEM			
No Tissues/Organs Examined			
GENITAL SYSTEM			
No Tissues/Organs Examined			
HEMATOLYMPHOID SYSTEM			
No Tissues/Organs Examined			
INTEGUMENTARY SYSTEM			
No Tissues/Organs Examined			
MUSCULOSKELETAL SYSTEM			
No Tissues/Organs Examined			

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Male: 1 Day Exposure

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	Treatment Groups (ppm)		
	0	10	25 ppm Hexanes
NERVOUS SYSTEM			
BRAIN	(8)	(8)	(8)
NERVE, SCIATIC	(8)	(8)	(8)
NERVE, TIBIAL	(8)	(8)	(8)
TRIGEMINAL GANGLION	(8)	(8)	(8)
RESPIRATORY SYSTEM			
LARYNX	(7)	(8)	(8)
LUNG	(8)	(8)	(8)
NOSE	(8)	(8)	(8)
TRACHEA	(8)	(8)	(8)
SPECIAL SENSES SYSTEM			
No Tissues/Organs Examined			
URINARY SYSTEM			
KIDNEY, LEFT	(8)	(8)	(8)
No Systemic Lesions			

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**Lab:** Battelle with CRL

**Species/Strain:** Rat/Harlan Sprague Dawley

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**Tumor Summary Data for Male 1 Day Exposure**

**Treatment Groups (ppm)**

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	<b>0</b>	<b>10</b>	<b>25 ppm Hexanes</b>
<b>Total Animals with Primary Neoplasms</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Primary Neoplasms</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Animals with Benign Neoplasms</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Benign Neoplasms</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Animals with Malignant Neoplasms</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Malignant Neoplasms</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Animals with Metastatic Neoplasms</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Metastatic Neoplasms</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Animals with Malignant Neoplasms Uncertain Primary Site</b>	<b>0</b>	<b>0</b>	<b>0</b>

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Test Type: TOX

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Species/Strain: Rat/Harlan Sprague Dawley

PA05: Incidence Rates of Neoplastic Lesions with Systemic Lesions Abridged

Test Compound: Trimethylsilyldiazomethane

CAS Number: 18107-18-1

Date Report Requested: 10/22/2020

Time Report Requested: 09:11:48

Lab: Battelle with CRL

Male: 1 Day Recovery

	Treatment Groups (ppm)		
	0	10	25 ppm Hexanes
<b>Disposition Summary</b>			
Animals Initially In Study	8	8	8
Scheduled Sacrifice			
Early Deaths			
Survivors			
Scheduled sacrifice, terminal (SD 9)	8	8	8
Animals Examined Microscopically	8	8	8
ALIMENTARY SYSTEM			
LIVER	(8)	(8)	(8)
PHARYNX	(8)	(8)	(8)
CARDIOVASCULAR SYSTEM			
AORTA	(8)	(8)	(8)
HEART	(8)	(8)	(8)
ENDOCRINE SYSTEM			
No Tissues/Organs Examined			
GENERAL BODY SYSTEM			
No Tissues/Organs Examined			
GENITAL SYSTEM			
No Tissues/Organs Examined			
HEMATOLYMPHOID SYSTEM			
No Tissues/Organs Examined			
INTEGUMENTARY SYSTEM			
No Tissues/Organs Examined			
MUSCULOSKELETAL SYSTEM			
No Tissues/Organs Examined			

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Lab: Battelle with CRL

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Male: 1 Day Recovery

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	Treatment Groups (ppm)		
	0	10	25 ppm Hexanes
NERVOUS SYSTEM			
BRAIN	(8)	(8)	(8)
NERVE, SCIATIC	(8)	(8)	(8)
NERVE, TIBIAL	(8)	(8)	(8)
TRIGEMINAL GANGLION	(8)	(8)	(8)
RESPIRATORY SYSTEM			
LARYNX	(8)	(8)	(8)
LUNG	(8)	(8)	(8)
NOSE	(8)	(8)	(8)
TRACHEA	(8)	(8)	(8)
SPECIAL SENSES SYSTEM			
No Tissues/Organs Examined			
URINARY SYSTEM			
KIDNEY, LEFT	(8)	(8)	(8)
No Systemic Lesions			

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**Species/Strain:** Rat/Harlan Sprague Dawley

**PA05: Incidence Rates of Neoplastic Lesions with Systemic Lesions Abridged**

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**Lab:** Battelle with CRL

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Tumor Summary Data for Male 1 Day Recovery	Treatment Groups (ppm)		
	0	10	25 ppm Hexanes
Total Animals with Primary Neoplasms	0	0	0
Total Primary Neoplasms	0	0	0
Total Animals with Benign Neoplasms	0	0	0
Total Benign Neoplasms	0	0	0
Total Animals with Malignant Neoplasms	0	0	0
Total Malignant Neoplasms	0	0	0
Total Animals with Metastatic Neoplasms	0	0	0
Total Metastatic Neoplasms	0	0	0
Total Animals with Malignant Neoplasms Uncertain Primary Site	0	0	0

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Species/Strain: Rat/Harlan Sprague Dawley

PA05: Incidence Rates of Neoplastic Lesions with Systemic Lesions Abridged

Test Compound: Trimethylsilyldiazomethane

CAS Number: 18107-18-1

Date Report Requested: 10/22/2020

Time Report Requested: 09:11:48

Lab: Battelle with CRL

Male: 5 Day Exposure

	Treatment Groups (ppm)					
	0	0.3	1	3	10	25 ppm Hexanes
<b>Disposition Summary</b>						
Animals Initially In Study	8	8	8	8	8	8
Scheduled Sacrifice						
Early Deaths						
Survivors						
Scheduled sacrifice, terminal (SD 5)	8	8	8	8	8	8
Animals Examined Microscopically	8		8	8	8	8
ALIMENTARY SYSTEM						
LIVER	(8)	(0)	(0)	(0)	(8)	(8)
PHARYNX	(8)	(0)	(0)	(0)	(8)	(8)
CARDIOVASCULAR SYSTEM						
AORTA	(8)	(0)	(0)	(0)	(8)	(8)
HEART	(8)	(0)	(0)	(0)	(8)	(8)
ENDOCRINE SYSTEM						
No Tissues/Organs Examined						
GENERAL BODY SYSTEM						
No Tissues/Organs Examined						
GENITAL SYSTEM						
No Tissues/Organs Examined						
HEMATOLYMPHOID SYSTEM						
LYMPH NODE, MEDIASTINAL	(8)	(0)	(7)	(8)	(8)	(8)
INTEGUMENTARY SYSTEM						
No Tissues/Organs Examined						
MUSCULOSKELETAL SYSTEM						
No Tissues/Organs Examined						

Study Number: C11049-01

Test Type: TOX

Route: Nose-Only Inhalation

Species/Strain: Rat/Harlan Sprague Dawley

PA05: Incidence Rates of Neoplastic Lesions with Systemic Lesions Abridged

Test Compound: Trimethylsilyldiazomethane

CAS Number: 18107-18-1

Date Report Requested: 10/22/2020

Time Report Requested: 09:11:48

Lab: Battelle with CRL

Male: 5 Day Exposure

	Treatment Groups (ppm)					
	0	0.3	1	3	10	25 ppm Hexanes
NERVOUS SYSTEM						
BRAIN	(8)	(0)	(0)	(0)	(8)	(8)
NERVE, SCIATIC	(8)	(0)	(0)	(0)	(8)	(8)
NERVE, TIBIAL	(8)	(0)	(0)	(1)	(8)	(8)
TRIGEMINAL GANGLION	(8)	(0)	(0)	(0)	(7)	(8)
RESPIRATORY SYSTEM						
LARYNX	(8)	(0)	(0)	(0)	(8)	(8)
LUNG	(8)	(0)	(8)	(8)	(8)	(8)
NOSE	(8)	(0)	(0)	(0)	(8)	(8)
TRACHEA	(8)	(0)	(0)	(0)	(8)	(8)
SPECIAL SENSES SYSTEM						
No Tissues/Organs Examined						
URINARY SYSTEM						
KIDNEY, LEFT	(8)	(0)	(0)	(0)	(8)	(8)
RENAL TUBULE; CARCINOMA	1 (13%)					
No Systemic Lesions						

**Study Number:** C11049-01

**PA05: Incidence Rates of Neoplastic Lesions with Systemic Lesions Abridged**

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**Test Type:** TOX

**Test Compound:** Trimethylsilyldiazomethane

**Time Report Requested:** 09:11:48

**Route:** Nose-Only Inhalation

**CAS Number:** 18107-18-1

**Lab:** Battelle with CRL

**Species/Strain:** Rat/Harlan Sprague Dawley

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Tumor Summary Data for Male 5 Day Exposure	Treatment Groups (ppm)					
	0	0.3	1	3	10	25 ppm Hexanes
Total Animals with Primary Neoplasms	0	0	0	0	0	0
Total Primary Neoplasms	0	0	0	0	0	0
Total Animals with Benign Neoplasms	0	0	0	0	0	0
Total Benign Neoplasms	0	0	0	0	0	0
Total Animals with Malignant Neoplasms	1	0	0	0	0	0
Total Malignant Neoplasms	1	0	0	0	0	0
Total Animals with Metastatic Neoplasms	0	0	0	0	0	0
Total Metastatic Neoplasms	0	0	0	0	0	0
Total Animals with Malignant Neoplasms Uncertain Primary Site	0	0	0	0	0	0

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Test Type: TOX

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Species/Strain: Rat/Harlan Sprague Dawley

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Test Compound: Trimethylsilyldiazomethane

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Lab: Battelle with CRL

Male: 5 Day Recovery

	Treatment Groups (ppm)					
	0	0.3	1	3	10	25 ppm Hexanes
<b>Disposition Summary</b>						
Animals Initially In Study	8	8	8	8	8	8
Scheduled Sacrifice						
Early Deaths						
Survivors						
Scheduled sacrifice, terminal (SD 9)	8	8	8	8	8	8
Animals Examined Microscopically	8	8	8	8	8	8
ALIMENTARY SYSTEM						
LIVER	(8)	(0)	(0)	(0)	(8)	(8)
PHARYNX	(8)	(0)	(0)	(0)	(8)	(8)
CARDIOVASCULAR SYSTEM						
AORTA	(8)	(0)	(0)	(0)	(8)	(8)
HEART	(8)	(0)	(0)	(0)	(8)	(8)
ENDOCRINE SYSTEM						
No Tissues/Organs Examined						
GENERAL BODY SYSTEM						
No Tissues/Organs Examined						
GENITAL SYSTEM						
No Tissues/Organs Examined						
HEMATOLYMPHOID SYSTEM						
LYMPH NODE, MEDIASTINAL	(8)	(0)	(8)	(8)	(8)	(8)
INTEGUMENTARY SYSTEM						
No Tissues/Organs Examined						
MUSCULOSKELETAL SYSTEM						
No Tissues/Organs Examined						

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Lab: Battelle with CRL

Male: 5 Day Recovery

	Treatment Groups (ppm)					
	0	0.3	1	3	10	25 ppm Hexanes
NERVOUS SYSTEM						
BRAIN	(8)	(0)	(0)	(0)	(8)	(8)
NERVE, SCIATIC	(8)	(0)	(0)	(0)	(8)	(8)
NERVE, TIBIAL	(8)	(0)	(0)	(0)	(8)	(8)
TRIGEMINAL GANGLION	(8)	(0)	(0)	(0)	(7)	(8)
RESPIRATORY SYSTEM						
LARYNX	(8)	(0)	(0)	(0)	(8)	(8)
LUNG	(8)	(8)	(8)	(8)	(8)	(8)
NOSE	(8)	(0)	(0)	(0)	(8)	(8)
TRACHEA	(8)	(0)	(0)	(0)	(8)	(8)
SPECIAL SENSES SYSTEM						
No Tissues/Organs Examined						
URINARY SYSTEM						
KIDNEY, LEFT	(8)	(0)	(0)	(0)	(8)	(8)
No Systemic Lesions						

Study Number: C11049-01

Test Type: TOX

Route: Nose-Only Inhalation

Species/Strain: Rat/Harlan Sprague Dawley

PA05: Incidence Rates of Neoplastic Lesions with Systemic Lesions Abridged

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Lab: Battelle with CRL

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Tumor Summary Data for Male 5 Day Recovery	Treatment Groups (ppm)					
	0	0.3	1	3	10	25 ppm Hexanes
Total Animals with Primary Neoplasms	0	0	0	0	0	0
Total Primary Neoplasms	0	0	0	0	0	0
Total Animals with Benign Neoplasms	0	0	0	0	0	0
Total Benign Neoplasms	0	0	0	0	0	0
Total Animals with Malignant Neoplasms	0	0	0	0	0	0
Total Malignant Neoplasms	0	0	0	0	0	0
Total Animals with Metastatic Neoplasms	0	0	0	0	0	0
Total Metastatic Neoplasms	0	0	0	0	0	0
Total Animals with Malignant Neoplasms Uncertain Primary Site	0	0	0	0	0	0

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**Species/Strain:** Rat/Harlan Sprague Dawley

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## LEGEND

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Number of animals examined given for each tissue. If none of the animals examined have the specific lesion then there is a blank for that dose group for that specific lesion.

Number of animals with observation reported with percent incidence in parentheses

Systemic lesions are included once in the total lesion count regardless of how many times they occurred in a single animal

Phase day range of terminal sacrifice shown in parentheses in disposition summary

SD – Study Day

The 1 Day Exposure animals were exposed for one day and then sacrificed on study day 1 (first day of exposure was study day 0); the 1 Day Recovery animals were exposed for 1 day and then sacrificed on study day 9; the 5 Day Exposure animals were exposed for five days and then sacrificed on study day 5; the 5 Day Recovery animals were exposed for five days and then sacrificed on study day 9.

**\*\* END OF REPORT \*\***